

# AMENDMENT NO. 2 NOVEMBER 2021

TO

## IS 3717 : 1977 SPECIFICATION FOR REFINED SECONDARY LEAD

( *First Revision* )

(Page 3, clause **0.3**, line 4) — Substitute ‘IS 2 : 1960’ Rules for rounding off numerical values ( *revised* )’ for ‘IS : 2-1960\*’.

(Page 3, footnote\*) — Delete.

(Page 3, clause **2**) — Insert the following new clause after **1.1** and renumber the subsequent clauses:

### ‘2 REFERENCES

The following standards contain provisions which through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subjected to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No</i>	<i>Title</i>
403 : 1964	Methods of chemical analysis of lead and antimonial lead ( <i>revised</i> )
1387 : 1993	General requirements for the supply of metallurgical materials ( <i>second revision</i> )
8439 : 1977	Methods for sampling of lead and lead alloys’

(Page 3, clause **2.1**) — Substitute ‘IS 1387’ for ‘IS : 1387-1967†’.

(Page 3, footnote†) — Delete.

**Price Group 1**

(Page 3, clause 3.1) — Substitute ‘IS 403’ for ‘IS : 403-1964‡’.

(Page 3, footnote‡) — Delete.

[(Page 4, Table 1 (see also Amendment No.1)] — Substitute the following table for the existing:

**Table 1 Chemical Composition of Refined Secondary Lead**

( Clause 3.1 )

Element	Limits of Elements in Percent			
	Grade 1	Grade 2	Grade 3	Grade 4
(1)	(2)	(3)	(4)	(5)
Lead, <i>Min</i>	99.97	99.9	99.8	99.98
Impurities, <i>Max</i> :				
Silver	0.002	0.003	0.005	0.003
Arsenic	0.001	0.005	0.005	0.0005
Bismuth	0.025	0.05	0.05	0.015
Calcium	—	—	—	0.0010
Cadmium	0.001	—	—	0.0005
Copper	0.003	0.02	0.100	0.001
Iron	0.002	0.005	0.005	0.001
Nickel	0.001	—	—	0.0005
Sulphur	—	—	—	0.0005
Antimony	0.005	0.02	0.06	0.0005
Selenium	—	—	—	0.0015
Tin	0.001	—	—	0.001
Tellurium	—	—	—	0.0005
Zinc	0.002	0.005	0.005	0.001
Aluminium	—	—	—	0.0001
Chromium	—	—	—	0.001
Manganese	—	—	—	0.0005
Total Impurities, <i>Max</i>	0.03	0.1	0.2	0.02

(Page 4, clause 6.1) — Substitute ‘IS 8439’ for ‘IS : 8439-1977\*’.

(Page 4, footnote\*) — Delete.

(Page 5, sub clause 8.1.1) — Delete.

(Page 5, clause 8.2) — Insert the following new clause after 8.1:

### **‘8.2 BIS Certification Marking**

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act*, 2016 and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.’